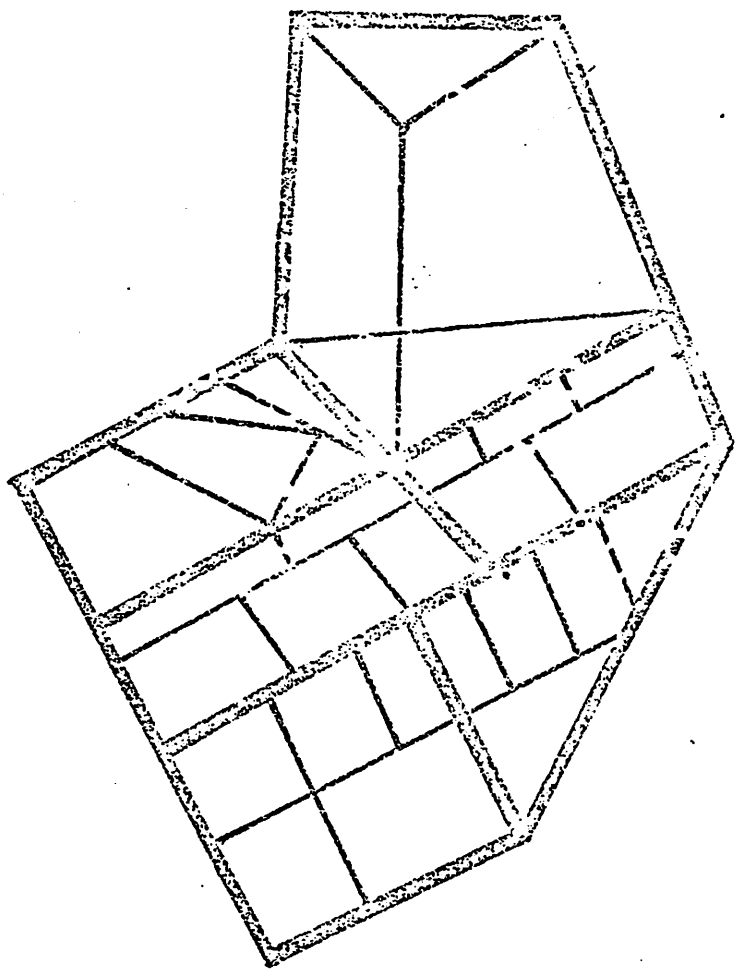
K A A N I S U B - L O C A T I O N

CLUSTER PROJECT



CONSULTATION

SUMMARY STATEMENT

MARCH 1981

March 1981

KAANI SUB-LOCATION CLUSTER PROJECT

KSLCP

The Kaani Sub-location Cluster Project is a Human Development Cluster Project that embraces all the villages within the sub-location as well as the sub-location as a whole. It is the second sub-location cluster initiated in the six sub-location Muputi Location of Central Division, Machakos District. The cluster Human Development Consultation was the initiating step of a comprehensive development effort by the villages in the cluster. It resulted in a comprehensive two-year timeline of tactical events for such development plus a refined timeline for the first quarter of actuation for each village and the sub-location. The sub-location is primarily an agricultural community. The project was begun by residents and concerned people of Kenya with the support of government officials and business leaders. The consultation drew upon the current intentions of Kaani Sub-location residents to improve their economic base through modern agriculture methods, industry and commercial services; and to create community and sub-location-wide infra-structures through community services and improved health care, together with expansion of practical education opportunities. Kaani Sub-location programme acceleration will be a pilot project for rural villages that can be replicated in other sub-locations within the Muputi Location and beyond.

The Kaani Sub-location is located on the eastern side of the Muputi Location in the Central Division of the Machakos District. It is just east of the Iveti Hills and is about twelve kilometers east of Machakos Town on the Machakos-Kitui tarmac road. The Kaani Sub-location consists of six villages: Mbuuni, Kathuni, Ukala, Musuna, Mathunthini, and Kitulu. Mbuuni and Kathuni are the northwestern-most and lie at the base of the Iveti Hills. Just further to the southeast, the Machakos-Kitui tarmac road passes directly through the villages of Ukala and Musuna. Kitulu and Mathunthini are southeasternmost and are somewhat separated from the rest of the sub-location by the Ikiwe River.

BASELINE

There are 540 families in the Kaani Sub-location, which gives a population of 2,654 people (1979 census figures). About one-sixth (16%) of the population is less than 6 years old, about one-half (47%) are less than 18 years old, and 13% are over 45 years old. The median age is 18 years old.

The sub-location has an area of 19 square miles of land of which about half is cultivated. Farms in the sub-location average about 8 acres although the average size is less at the foot of the Iveti Hills where the average plot is only 5 acres in Mbuuni and 6 acres in Kathuni. About one-third of the farms have less than two cultivated acres, one-third have between two and four cultivated acres, and one-third of the farms have more than four cultivated acres. Maize, beans and pigeon peas are by far the most frequently raised crops in the sub-location with virtually every shamba growing maize and either beans or pigeon peas or both. Coffee is also significant for the village of Mbuuni where almost two-thirds (63%) of the farmers grow some amount of coffee. Other crops grown in the sub-location

BASELINE (cont.)

include tomatoes, casava, cow peas, sweet potatoes, cabbage, and potatoes. Bananas, mangoes and paw-paws are the fruits grown in the sub-location. Livestock is predominantly of local breed and is significant to the income of only a small minority of the sub-location's residents . The average number of animals per family are: 2.2 cows, 4.5 goats, and 4.6 hens.

Nearly two-thirds (63%) of the heads of household farm as their major occupation; the remaining one-third (37%) also work at occupations off the shamba. In Mbuuni and Kitulu, a higher rate work off the shamba, with 46% and 43% holding outside jobs respectively. The median education level of those who have completed their formal schooling is Standard 5. Forty-one percent (41%) have reached a Standard 3 education or less.

More than three-fourths of the houses are made with mud wattle walls, and grass thatched roofs. The remainder are more permanent with iron sheet roofing and brick walls. More than one-third of the families (36 %) have no home toilet facility. The predominant health concern is malaria with over 95% having contracted the disease.

The Machakos Kitui tarmac road passes directly through the sub-location, providing it with excellent access to Machakos. An excellent murram road through Mbuuni and a fair local road to Kathuni provide those villages with good access to the tarmac. For Kitulu and Mathunthini, the Ikiwe River presents somewhat of a barrier and the local roads fromthose villages to the Machakos-Kitui tarmac are unpassable during the rainy season. In that season, Machakos is accessed by vehicle only by passing along the graded murram road through the Kimutwa Sub-location. There is matatu service for every village of the sub-location except Kathuni.

The "Kaani Center" is located along the tarmac road in Ukala village. It consists of the Kaani Primary School, the Kaani Dispensary, and a few shops. However, there is no significant market center in the entire sub-location and most villagers go to the Machakos market once or twice per week for their regular shopping needs. For immediate needs, there is also a small market in nearby Kaseve located abou 2 kilometers southwest of Ukala along the tarmac. Across the Ikiwe, Mathunthini and Kitulu, which have no commercial services at all, the villagers can also use the nearby Iani and KwaMatisya market places in Mbooni Location.

The Kaani Primary School receives students from Kathuni, Ukala and Musuna. Each of the other villages has its own primary school, for a total of 4 in the sub-location. There is no secondary school in the sub-location.

Springs, streams and rivers provide water for the sub-location. Several springs from the Iveti Hills provide Mbuuni and Kathuni with water even in the dry season. The remaining villages, Ukala, Mathunthini, Kitulu and Musuna are more dependent on the Ikiwe and Thwake Rivers and their tributaries for their water source, and hence are more susceptible to water shortage in the dry season.

BASELINE (cont.)

Telephone and electricity hook-ups are not available in the sub-location although telephone lines do pass through the sub-location along the tarmac.

DOCUMENT

The Consultation Summary Report provides a brief synopsis of the social research which produced the model for community and sub-location development. The series of charts that follow serve as holding charts for the results of each phase of the Consult's work. The Consult is one of the major strategies employed in enabling a cluster of villages such as the Kaani Sub-location to act out their decision to significantly reshape the direction of village life.

Kaani Sub-location
Cluster Project

February 1981

OPERATING VISION CHART

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A toward EXPANDING THE ECONOMIC BASE			B toward PROVIDING ESSENTIAL SERVICES	C toward ENHANCING SOCIAL PATTERNS		
Industry and Commerce	Modern Livestock Raising	Expanded Crop Farming		Expanded Practical Education	Health and Services	Revitalized Community Life
I	II	III	IV	V	VI	VII
Initiating Agri-processing *maize mill *coffee facty *dairy indust *fruit indust	Providing Livestock Keeping *grade cattle *grazing land *poultry keeping *bee keeping	Modernizing Soil Techniques *irrigation *terracing *flood control *soil testing	Supplying Pure Water * water dam * water pipes * water tank * drainage system	Strengthening Formal Education *nursery sch. *primary sch. *secondary sch. *boarding school	Releasing Health Services * hospital/ mobile clin *puolic toilet *family health programme * ambulance	Enabling Community Groups *womens adv. *elders grps *sports club *youth g/s
Formalizing Cottage Industry *basket ind *sisal products *wood carving *tailoring industry		Providing Agricultural Aids *village tract *insecticides *equipment pool *hybrid seeds		Delivering Technical Training *polytechnic *carpentry training *masonry training *typwriting		Catalyzing Comunity Organisation *community planning *comm. wokday *village time design *funeral org
Providing Commercial Services *shopping center *outside farm product	Offering Agricultural Services * cattle dip *cattle water pool *veterinary services *agricultural seminars	Expanding Cash Crops *coffeeplantng *vegetable farm *cotton growng *exp. cash crop	Improving Transportation System. * tarmac toad murram road *drift bridges * matatu/bus services * community pathways	Supporting Adult Education * basic skills *leadership skills *agricultural training *health course	Creating Community Services *post office *electricity *telephone *police station	Constructing Public Space * social hall * churches * training ctr * playground

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UNDERLYING CONTRADICTIONS CHART

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Unstructured Planning of Industry Development	Neglected Development of Practical Skills	Unrealized Development of Public Buildings	Ineffective Approach Towards Education Facilities	Limited Delivery of Commercial Skills	Unorganized Usage of Farm Equipment
insufficient ind. resourc	unavailable tech. trng.	unavailable meeting bld	unavailable adult educ.	distant shopping ctr	outdated farm equip
undeveloped empl. potent	unknown farm methds	unvisualized social hall	unavailable ad.ed tchers	unavailable public land	inadequate land-clearng
unstructured cott. indust	unutilized skills trnf	dilapidated church fac.	restricted aduit educ	restricted shppng areas	outdated farm tools
excessive unemployment	limited agric. expt	undeveloped church bldg	distant sec. school	under-devlpd shopng cntr	insufficient bldg mtls
distant coffee fctry	unavailable typing trng	insufficient school land	inaccessible prim. school	distant coffee fctry	inadequate farm equip.
undetermined cott. indsty	unavailable empl. skill	restricted building fds	distant polytechnic	narrow funds options	untransferred farm equipmt
outdated maize mill	unavailable mason trng	termite hse destruct	Insufficient classrooms	outdated milling tech	
unexplored sisal opptys	outdated agric.skill	no church building	restricted sch. access	undetermind savings plan	
unexplored cattle pot.	undeveloped poultry-keep	undeterm'd hlth ct.site	restricted sec.sch.acc		
narrow fruit utilisation	undeveloped bee-keeping	restricted nur.school			
restricted mill access	undeveloped product.skil				

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Limited Experience in Agricultural Techniques	Partial Maintenance of Essential Services	Paralyzing Complexity of Water Supply System	Restricted Base of Community Organisation	Unavailable Village Health Services
unused cash crops	unexplored family plannng	inadequate water storage	unavailable communication	lack of health center
unsuccessful terrace farmng	insufficient police securty	limited water supply	unorganized youth	unprioritized home sanitatn
short range agric. plan	lack of river bridge	insufficient water supply	unregistered men's group	absence of health workers
inadequate land use	lack of power resources	underutilized water supply	unorganized sports club	limited public health service
unexplored new cash crops	seasonally impassable rds	underdeveloped water supply	unorganized womens group	restricted health care
restricted grazing areas	restricted acc to avail. trnsp	undetermined water supply	poor cooperatives ldershp	outdated health technic
insufficient crop land	inadequate borehole tech.	unestablished piped system	unrealized elders club	limited health care access
inaccessible cattle dip	distant post office	undeveloped water delivery	unrealized womens group	insufficient public toilets
unknown coffee techniques	outdated road construction	unsuccessful drilled bores	unorganized youth club	insufficient home toilets
unrealized crop care	uninitiated electrical del	untapped water supply	undetermined playing ground	unstructured health treatmt
wild pig crop destruction	uninitiated telephone syst	impure water supply	unskilled leaders method	restricted hlth ctr access
unutilized modern farming	underdeveloped communic. syst	inadequate domestic water	undeveloped leaders potent	
underutilized crop fertiliz.	restricted matatu access	undelivered water supply	lackadaisical leadership	
restricted cattle care	underdeveloped power system			
Unknown soil conserv. mthds	unavail. ambulance service			
unutilized soil testing tech.	insufficient road care			
unskilled grazing methds	limited pathways			
soil erosion				
undeveloped poultry keepng				
under-developed vegetable farm				
untapped mineral resrcs				
unitiated grade cattle				

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PRACTICAL PROPOSALS CHART

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ECONOMIC DEVELOPMENT PROPOSALS		COMMUNITY LIFE PROPOSALS	SOCIAL DEVELOPMENT PROPOSALS	
MODERN AGRICULTURE	COMMERCIAL EXPANSION		FUNCTIONAL EDUCATION	ESSENTIAL SERVICES
1 AGRICULTURAL METHODS PROJECT	6 SMALL INDUSTRIES PROJECT	10 SUB-LOCATION MASTERPLAN PROJECT	15 FORMAL EDUCATION PROJECT	19 HEALTH CARE PROJECT
2 LIVESTOCK IMPROVEMENT PROJECT	7 COMMON STORAGE PROJECT	11 COMMUNITY ORGANISATION PROJECT	16 ADULT TRAINING PROJECT	20 COMMUNITY CONSTRUCTION PROJECT
3 CASH CROPS PROJECT	8 MARKETING CENTER PROJECT	12 SERVICE CORPS PROJECT	17 PRACTICAL SKILLS PROJECT	21 DRINKING WATER PROJECT
4 APPROPRIATE IRRIGATION PROJECT	9 COMMERCIAL SERVICES PROJECT	13 EXTERNAL SUPPORT PROJECT	18 BUSINESS EXPERTISE PROJECT	22 BASIC SANITATION PROJECT
5 EQUIPMENT POOL PROJECT		14 SOCIAL CROPS PROJECT		23 ROAD IMPROVEMENT PROJECT

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SOCIAL EVENTS PULL-TOGETHER

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Water Public Facilities Beautification	Health Sanitation Services	Housing Roadways External Relatns	Education Community Organis. Welfare
Pull together of social events for the villages:			
* 6 community hall	6 health training	11 outside visits	6 adult classes
5 water tank	5 compost pits	9 outside experts	5 women's groups
5 water purification	5 toilets	7 fund raising	5 skills training
4 water dams	5 health care takers	5 road repair	4 self-help groups
4 water pipes	3 mobile clinics	4 road grader	4 permanent nursery schools
2 water jars	3 soak pit	3 build drift	4 youth clubs
2 wells	3 home sanitation	3 home pathways	3 village elders
2 windmill experiments	3 telephone	3 government site visits	3 village meetings
2 shopping centre	2 electricity	2 dig trenches	2 village celebrations
2 community storage	2 emergency vehicle	2 culvert construction	2 village planning committees
water syrvey	2 nutrition class	2 house construct.	2 women's training classes
nursery school	food storage	separate animal housing	2 leadership training
primary school	market cleaning	muram road	school library
teachers qtrs.	vaccination	small bridges	community films
training center	mosquito/fly control	house repair	youth task force
paint shops	demo toilets	gov't proposals	expand primary school
beautify school	matatu service	house signs	business management classes
flowers around market	community kitchen	road workdays	school enrollmt campaign
village plan	health center	village sign-boards	
Pull together of social events for the sub-location:			
4 dam construct'n	6 health care takers	4 inter-village roads	6 sub-loc. dev't committee
4 community centr	4 post office	3 bridge construct.	5 secondary schools
3 shopping center	4 health training	2 site visits	2 ext. relations committee
3 secondary school	4 public utilit's	repair Kathuni-Mbuuni road	2 sports compet.
2 plaza area	2 demo toilets	muram roads	2 practical skill training
2 water tank	2 water purification	model house	2 regular workday celebrations
paint dukas	2 immunization	outside visits	field trips
create master-plan	2 complete disp.	harambee events	

* numbers indicate frequence of mention during brainstorm